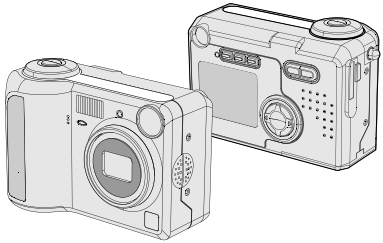
Pocket Cam 5000

User's Manual

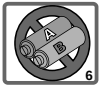


WELCOME

Dear user, thanks for purchasing this product. Much investment in time and effort has gone into its development, and it is our hope that it will give you many years of trouble-free service.

CAUTION

1. Do not drop, puncture or disassemble the camera; otherwise the warranty will be voided.
2. Avoid all contact with water and dry hands before using.
3. Do not expose the camera to high temperature or leave it in direct sunlight. Doing so may damage the camera.
4. Use the camera with care. Avoid pressing hard on the camera body.
5. For your own safety, avoid using the camera when there is a storm or lightning.
6. Avoid using batteries of different brands or types at the same time. There is potential of explosion from using incorrect batteries.
7. Remove batteries during long periods between usage, as deteriorated batteries may affect the functionality of the camera.
8. Remove batteries if they show signs of leaking or distortion.
9. We suggest using only the accessories supplied by the manufacturer.



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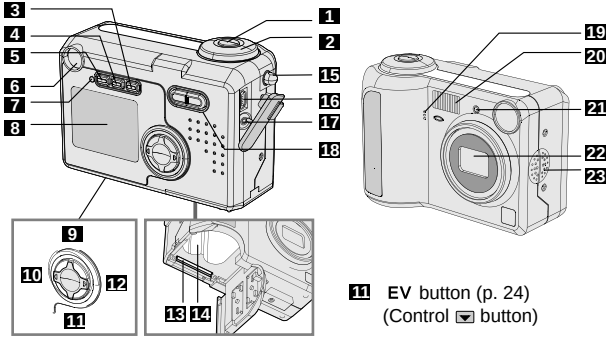
Getting Started

1. Your camera parts

Knowing your camera parts well before using it will help you operate it more easily.

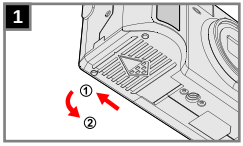


1. Shutter button (p. 11, 14, 17)
2. Mode switch (p. 9)
3. MENU/OK button (p. 18, 27-31, 33)
4. button (p. 22)
5. button (p. 10, 19)
6. Viewfinder
7. LED indicator
8. LCD display (p. 10, 13, 15)
9. button (p. 25)
   (Control button)
10. button (p. 23)
    (Control button)
11. **EV** button (p. 24)
    (Control button)
12. button (p. 21)
    (Control button)
13. Card slot (p. 6)
14. Battery section (p. 5)
15. Strap hook (p. 7)
16. USB port (p. 40)
17. TV-out port (p. 32)
18. Zoom in/out button
19. Microphone
20. Flash strobe
21. Self-timer lamp
22. Lens
23. Speaker

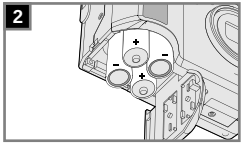
2. Loading the battery

Please use four AA batteries.

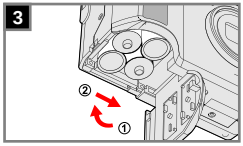
1 Slide the **battery/card cover** in the direction of the indication to open it.



2 Follow the indication to load batteries into the **battery section** with the correct + and - ends.



3 Close inward and slide upward the **battery/card cover** to lock it.



1. We recommend you to use rechargeable Ni-MH batteries as this will increase time of usage.
2. You can also use alkaline batteries.

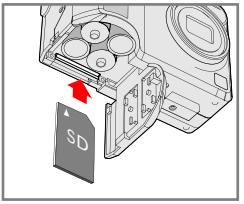
For details of the battery life, please see the "Battery life" section on page 46.

3. Inserting and removing the SD/MMC card

1 Inserting the card

1 Open the **battery/card cover**.

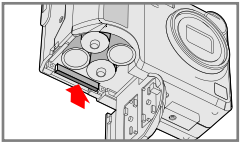
2 Insert the card in the direction of the indication and push it in till the end of the card plot.



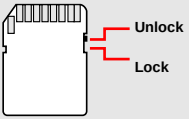
3 Close the **battery/card cover**.

2 Removing the card

Push in and release the card to remove it.



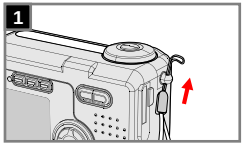
1. The camera comes with 14 MB flash memory built inside for storage. If you do not insert a SD/MMC card, the data will be saved in the built-in flash memory automatically.
2. The SD card comes with a write-protect switch. When the write-protect switch is set to the **lock** position, the card will become non-writable. To ensure that the camera can operate normally, please set the write-protect **unlock** position before inserting the card.



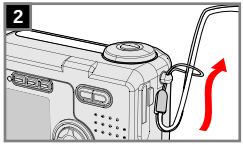
4. Attaching the strap

For convenience and safety, you may wish to attach the carrying strap.

1 Thread the strap loop through the hook in the direction indicated.



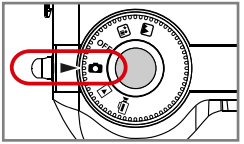
2 Fasten the strap loop as indicated.



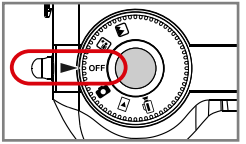
Basic Operation

1. Switching on and off

Rotate the **Mode dial** to 📷 to switch on or to **OFF** to switch the camera off.



Switch on

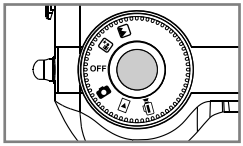


Switch off

If you do not operate this camera for over 3 minutes, the camera will shut down automatically to conserve battery power. To turn on the power, rotate the **Mode dial** to **OFF** and then to 📷 .

2. Setting the Mode dail

This camera provides six modes of use. Rotate the **Mode dial** to select the mode that you wish to use.



OFF **Power-off** mode

Still picture mode

Playback mode

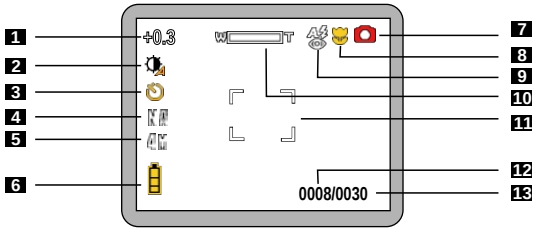
Movie mode

Night portrait mode

Landscape mode

3. Taking still pictures

1 The LCD display information



1 EV compensation
2 White balance status
3 Self-timer mode
4 Exposure/ effect status
5 Resolution
6 Battery life
7 Camera mode
8 Macro mode
9 Flash status
10 Zoom indicator
11 Zoom frame
12 Number of pictures taken
13 Remaining number of pictures

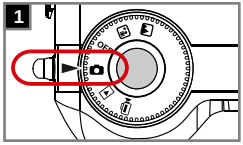
In the / mode, you can press the button to shift between **information on**, **information off** and **LCD display off** modes.

2 Snapshot

This camera provides auto focus (AF) function. Please follow these steps to snap stills.

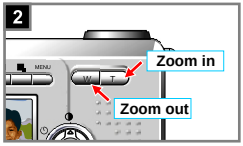
1 mode

Rotate the **Mode dial** to .



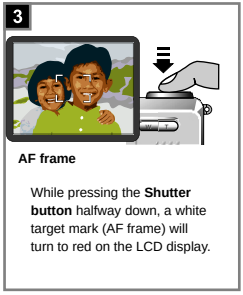
2 Zoom in or zoom out

Press the **T button** to zoom in or the **W button** to zoom out.



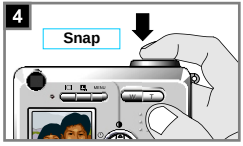
3 Auto focus

Center the target subject in the LCD display or viewfinder, then press the **Shutter button** halfway down to start the auto focus until the image is focused distinctly.



4 Take a still

Press the **Shutter button** all the way down to take a shot.



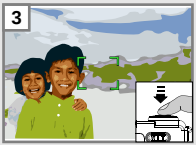
If the target subject is not in the center of the image (AF lock)

If your target subject is not in the AF frame, the camera will focus on the background instead of the subject when pressing the **Shutter button** halfway down. The following steps will teach you how to lock the AF on the original subject and get the best result.

Compose the view that you wish to take.

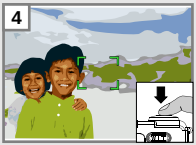
Focus

Center the target subject in the AF frame, then press the **Shutter button** halfway down.



AF lock

Keep pressing the **Shutter button** halfway down and re-compose the view that you originally wanted.

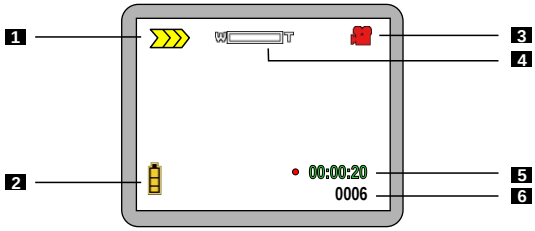


Snap

Press the **Shutter button** all the way down to take the picture.

4. Recording movies

1 The LCD display information



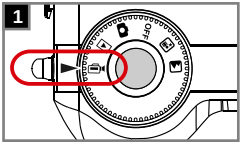
1 Recording status
2 Battery life
3 Camera mode
4 Zoom indicator
5 Recording time
6 Number of recordings taken

In the / mode, you can press the **button** to shift between **information on**, **information off** and **LCD display off** modes.

2 Making a video clip

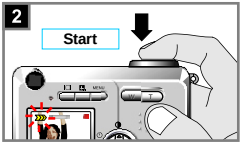
1 mode

Rotate the **Mode dial** to .



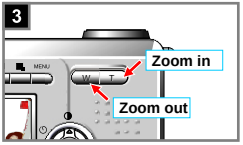
2 Start recording

Press the **Shutter button** all the way down to start recording. While recording is in progress, a yellow arrow on the LCD display will run.



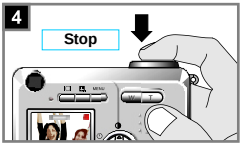
3 Zoom in or zoom out

While recording, you can press the T **button** to zoom in or the W **button** to zoom out.



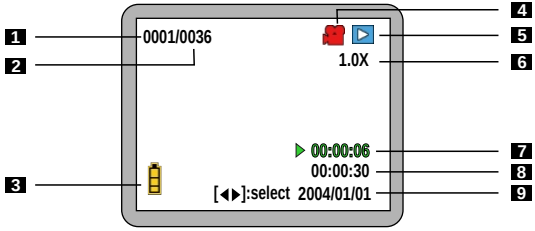
4 Stop recording

Press the **Shutter button** all the way down again to stop recording.



5. Playing your pictures and movies

1 The LCD display information

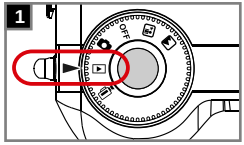


1 Picture or recording number
2 Number of pictures and recordings taken
3 Battery life
4 File type (Picture: no icon, video clip:)
5 Camera mode
6 Zoom ratio
7 Playing time
8 Time of a recording
9 Date

2 Viewing pictures

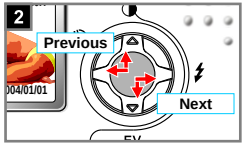
1 ▶ mode

Rotate the **Mode dial** to ▶.



2 Select images

The last image taken will be displayed first on the LCD display. Press the **Control ▼/▶ button** to select the next image or the **Control ◀/▲ button** to select the previous one.



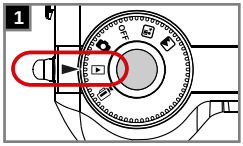
3 Zoom in for a close-up look

If you want to take a closer look at a picture, press the **T button** to zoom in. You can then browse the picture by using the **Control ▲▼◀▶ buttons**. To return to the normal zoom ratio, press the **button**.

3 Viewing video clips

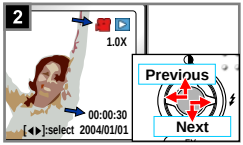
1 ▶ mode

Rotate the **Mode dial** to ▶.



2 Select images

The movie file that you can identify by a icon and a count indicator on the LCD display. Press the **Control ▼/▯ button** to select the next image or the **Control ▯/▲ button** to select the previous one.



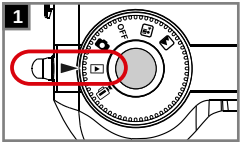
3 Play the movie

Press the **Shutter button** to start playing the recording. To stop playing, press the same button again.

4 Deleting pictures and video clips

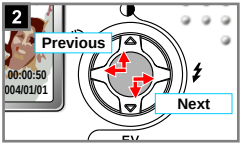
1 ▶ mode

Rotate the **Mode dial** to ▶.



2 Select images

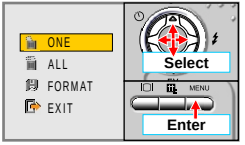
The last image taken will be displayed first on the LCD display. Press the **Control ▼/▽ button** to select the next image or the **Control ▽/△ button** to select the previous one.



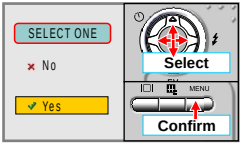
3 Delete the image

Once you select the target file, press the **MENU/OK button** to enter the deletion screen.

Use the **Control ◁△▷▽ buttons** to select the **One** item, then press the **MENU/OK button** to bring up a confirmation screen.

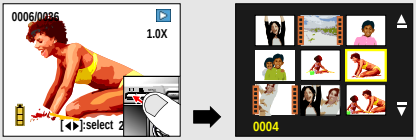


Use the **Control ◁△▷▽ buttons** to select the **Yes** item, then press the **MENU/OK button** to confirm.



Thumbnail view

To enter the thumbnail view, press the **button** in the full-screen.



Full-screen view **Thumbnail view**

Select images

The **Control buttons** allow you to switch the page of the thumbnail view. Use the **Control buttons** to select the file.

View the full-screen image

Once you select the target file, press the **MENU/OK button** to view the full-screen file.

Delete the image

Once you select the target file, press the **MENU/OK button** to view the full-screen file. Then follow the step 3. "Delete the image" section on page 18 to delete the file.

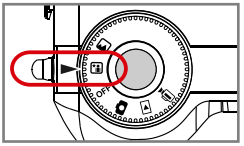
*The video clip file that you can identify by the icon on the thumbnails.

6. Night portrait mode

Use this mode when taking portrait in the late evening or night scene. The camera will enable auto-flash and red-eye reduction automatically.

Take a still

Rotate the **Mode dial** to . Then refer to the shooting operation described on page 11 (skip the step 1) to take picture. Please invariably hold your camera steady while taking in the night scene.



To prevent your camera shake during night photography:

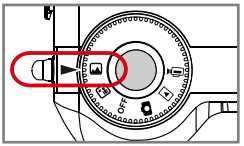
1. Place your camera on the table or the palisade.
2. Use the self-timer. (p. 23)
3. Use a tripod.

7. Landscape mode

Use this mode for daytime scenery, natural landscapes and cityscapes.

Take a still

Rotate the **Mode dial** to . Then refer to the shooting operation described on page 11 (skip the step 1) to take picture.



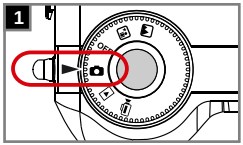
Advanced Functions

1. Using the flash strobe

When the lighting is not sufficient for your shooting environment, the flash can provide the extra light you need.

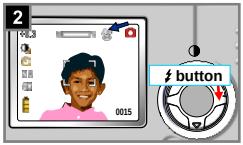
1 mode

Rotate the **Mode dial** to .



2 Press the button

Press the **button** to switch the flash mode that cycles through four choices - **Flash off**, **Auto**, **Red-eye reduction**, and **Flash forced** on the LCD display.



Flash off		The strobe does not fire.
Auto		The strobe will automatically fire as more light is needed.
Red-eye reduction		The strobe and the red-eye reduction will automatically fire as more light is needed.
Flash forced		The strobe always fires.

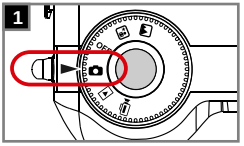
Charging the flash strobe requires more battery power. When the battery power is low, the flash strobe on cannot be set. Please change the batteries.

2. Setting the resolution

The higher the resolution is, the better the quality of image will be, but the more memory-demanding the images will be.

1 **mode**

Rotate the **Mode dial** to .



2 **Press the button**

Press the **button** to switch the resolution mode that cycles through four choices - **6M**, **4M**, **3M**, and **2M** on the LCD display.

2976X2232	6M	Ideal for developing 7x10 photos or smaller. The most memory-demanding option.
2304X1728	4M	The default setting. Suitable for developing 6x8 photos or smaller.
2048X1536	3M	Suitable for developing 5x7 photos or smaller.
1600X1200	2M	The most memory-saving option. Suitable for developing 4x6 photos or smaller.

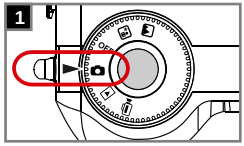
For more details, please see the "Storage capacity" section on page 47.

3. Using the self-timer

The self-timer allows a delay of ten seconds before the shutter fires when taking a self-portrait picture.

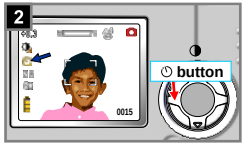
1 mode

Rotate the **Mode dial** to .



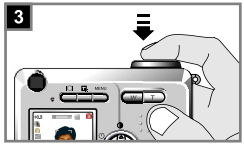
2 Press the button

Press the **button** to set the self-timer on. Then you will see a icon on the LCD display.



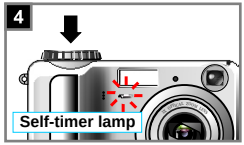
3 Auto focus

Press the **Shutter button** halfway down to enable auto focus.



4 Use the self-timer

Then press the **Shutter button** all the way down to start the self-timer. The camera will have ten seconds delay with the **Self-timer lamp** flashing before taking a picture.



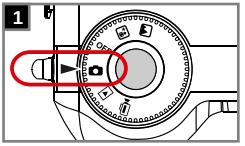
After the shutter fires, the self-timer will be automatically disabled.

4. EV Adjusting the EV compensation

Adjusting the EV (exposure value) compensation helps you to gain better effect when the picture appears too bright or dark.

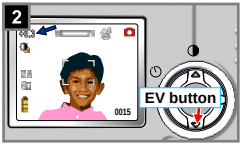
1 **mode**

Rotate the **Mode dial** to .



2 **Press the EV button**

Press the **EV button** to adjust the value of the exposure-compensation. Then you will see the change of value and image effect on the LCD display. Adjust the value until the effect is fitting as you wish.



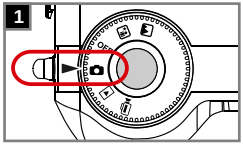
The applicable value ranges from -1.5 to +1.5. A positive value indicates the display will be brighter than usual; while a negative value makes the result dimmer.

5. ◑ Using the ◑ button

The ◑ **button** is a shortcut key allows you to immediately apply the functions which are in common use (for more details, please see the table on the next page), meanwhile, you can view the change of the image on the LCD display with the setting.

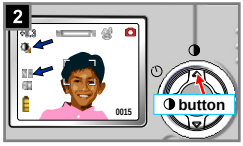
1 📷 mode

Rotate the **Mode dial** to 📷.



2 Press the ◑ button

Press the ◑ **button** to switch the mode that cycles through seven choices - **Auto**, **Tungsten**, **Fluorescent**, **Back light**, **Black and white**, **Solarized** and **Normal** on the LCD display.



Auto		This item determines the best white balance setting automatically for your shooting environment.
Tungsten		Suitable for indoor shooting with incandescent lamp lighting (low color condition).
Fluorescent		Suitable for indoor shooting with fluorescent lamp lighting (high color condition).
Back light		Select this item to increase the brightness value of the subject when the subject is lit from behind light.
Black and white		Change the shot to black and white.
Solarized		Change the shot to over-exposed.
Normal		No effect on the shot.

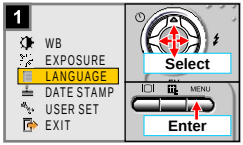
The items of the table above are frequently used modes of this camera. **Auto**, **Tungsten** and **Fluorescent** are the white balance modes (see page 28), **Back light** is the exposure mode (see page 29) and **Black and white**, **Solarized** and **Normal** are effect modes.

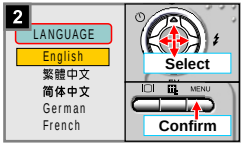
6. Setting the language

When you switch the camera on for the first time, the LCD display may not be shown in your local language. You can set the LCD display language by using the method below.

1 Enter the menu and select the LANGUAGE item

In the mode, press the **MENU/OK button** to enter the **menu**. Use the **Control buttons** to highlight the **LANGUAGE** item, then press the **MENU/OK button** to enter the sub-menu.





2 Select a desired item

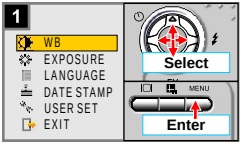
Use the **Control buttons** to highlight a language that you wish to use. Then press the **MENU/OK button** to confirm.

7. Adjusting the white balance (WB)

You can manually select the white balance setting to suit the shooting environment.

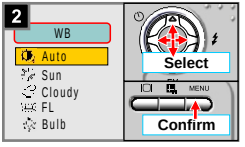
1 Enter the menu and select the WB item

In the mode, press the **MENU/OK button** to enter the **menu**. Use the **Control buttons** to highlight the **WB** item, then press the **MENU/OK button** to enter the sub-menu.



2 Select a desired item

Use the **Control buttons** to highlight the desired item. Then press the **MENU/OK button** to confirm.



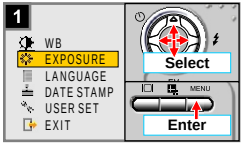
Auto		This item determines the best white balance setting automatically for your shooting environment.
Sunny		Suitable for normal outdoor shooting under sunny (bright) weather.
Cloudy		Suitable for cloudy weather or shady (dim) environments.
Fluorescent		Suitable for indoor shooting with fluorescent lamp lighting (high color condition).
Tungsten		Suitable for indoor shooting with incandescent lamp lighting (low color condition).

8. Adjusting the exposure

You can manually set the proper brightness value to suit the shooting environment. (For more details, please see the table on the next page.)

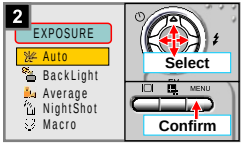
1 Enter the menu and select the EXPOSURE item

In the mode, press the **MENU/OK button** to enter the **menu**. Use the **Control buttons** to highlight the **EXPOSURE** item, then press the **MENU/OK button** to enter the sub-menu.



2 Select a desired item

Use the **Control buttons** to highlight the desired item. Then press the **MENU/OK button** to confirm.



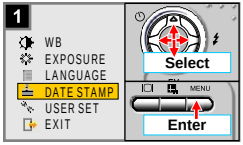
Auto		Based on the frame to automatically determine the best brightness value for your shooting environment. **AE frame**
Back light		Select this item to increase the brightness value of the subject when the subject is lit from behind light.
Average		Based on current conditions to determine the brightness value for your shooting environment.
Night shot		Select this item to enable the strobe when the subject is in the night.
Macro		Select this item when taking a close-up shot. The macro shooting distance of the camera is 8" (20 cm).

9. Setting the date stamp

Enabling the date stamp will print the date of shooting on the picture.

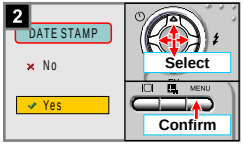
1 Enter the menu and select the DATE STAMP item

In the mode, press the **MENU/OK button** to enter the **menu**. Use the **Control buttons** to highlight the **DATE STAMP** item, then press the **MENU/OK button** to enter the sub-menu.



2 Select a desired item

Use the **Control buttons** to highlight the desired item. Then press the **MENU/OK button** to confirm.



10. Real-time display on TV

Connect your camera and TV via an AV cable for real-time display. You can preview the screen of the camera and display your still pictures and video clips directly on TV screen.

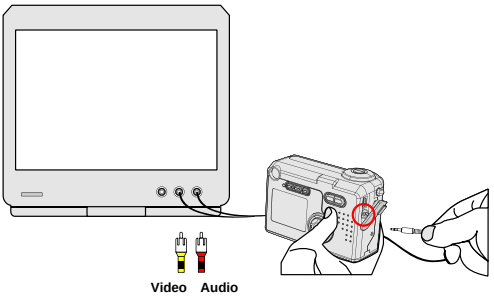
1 **Set TV to AV mode**

Turn on your TV and switch to the AV mode.

2 **Connect your camera to TV**

Insert the video and audio ends of the AV cable to the AV-in port on your TV.

Insert the other end of the AV cable to the TV-out port on your camera.



If the TV screen displays noises after the camera is connected, check if the TV system (PAL / NTSC) is set appropriate. (p. 35)

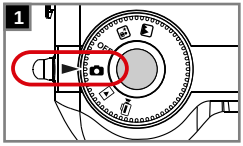
Camera Settings

1. USER SET access

The **USER SET** provides more advanced features for you to fine-tune the camera. The following describes how to access the **USER SET menu**.

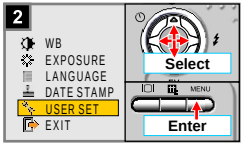
1 mode

Rotate the **Mode dial** to .



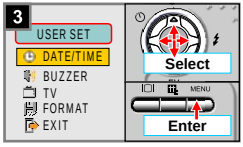
2 Enter the menu and select the USER SET item

Press the **MENU/OK button** to enter the **menu**. Use the **Control buttons** to highlight the **USER SET** item, then press the **MENU/OK button** to enter the sub-menu.



3 Select a desired item

Use the **Control buttons** to highlight a setting item that you wish to configure. Then press the **MENU/OK button** to confirm. For details on each setting, please refer to the corresponding page.

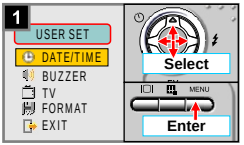


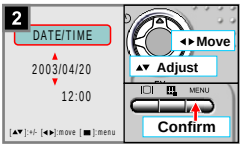
DATE/TIME: p. 34
BUZZER: p. 34
TV: p. 35
FORMAT: p. 36

2. Setting the date and time

When you switch the camera on for the first time, we recommend you to set up the date and time.

Continued from page 33, once you enter the **DATE/TIME** setting screen, use the **Control** **buttons** to adjust the value, then press the **Control** **buttons** to shift between items. When the settings are done, press the **MENU/** **button** to confirm.

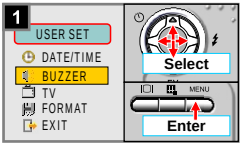


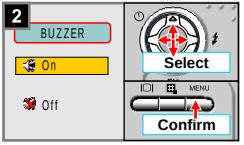


3. Setting the buzzer

This setting determines whether the beep sounds when operating the camera.

Continued from page 33, once you enter the **BUZZER** setting screen, use the **Control** **buttons** to select the desired item, then press the **MENU/OK button** to confirm.

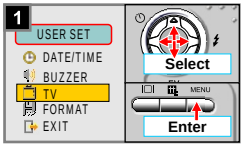


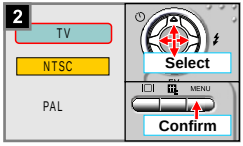


4. Setting the TV system

When viewing images on your television, set the proper TV type to prevent television display problems. The default option depends on your country.

Continued from page 33, once you enter the **TV** setting screen, use the **Control buttons** to select the desired item, then press the **MENU/OK button** to confirm.



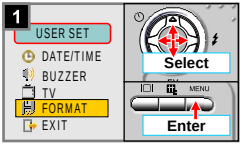


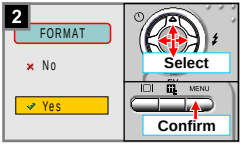
PAL is for European countries, China, Hong Kong, etc; NTSC is for America, Japan, Taiwan, Korea, etc.

5. Formatting media

Formatting media will erase all files stored in the card or internal memory. All files will not be recovered if you execute the format item.

Continued from page 33, once you enter the **FORMAT** setting screen, use the **Control** **buttons** to select the desired item, then press the **MENU/OK button** to confirm.





The camera will use the card as the main storage media. To format the files in the card, please insert the card; to format the files in the internal memory, please remove the card.

Enjoying your Images on the Computer

1. Installing DSC 5000

Install **DSC 5000** before connecting your camera to your computer for the first time. **DSC 5000** provides mass storage driver for Windows 98, **Windows Media Player Codecs** and **Direct X 8.1**. Please follow the steps to complete the installation.

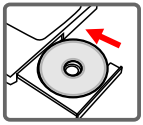
For Windows ME/ 2000/ XP users: Windows Media Player Codecs and **Direct X 8.0** or above are necessary for viewing the video clips recorded by the camera. You can skip **DSC 5000** installation if you are sure **Windows Media Player Codecs** and **Direct X 8.1** have been installed in your computer previously.

1 Turn on your computer.

- Do not connect the USB cable to your computer at this stage.
- Turn off other applications running on your computer.

2 Place the supplied CD into the CD-ROM drive.

3 Move the mouse to the **DSC 5000 Driver** item and click it.



4 When the "**Install Shield Wizard**" dialogue box (Fig 1) is occurring, click "**Next**". Then follow the on-screen instructions to continue.

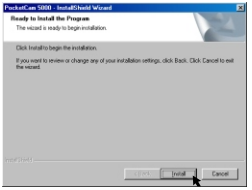

PocketCam 5000 - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
Back
Install
Cancel

Fig 1

5 After the driver installation is completed, the program will prompt you to install **Windows Media Player Codecs**, please click "**Yes**" and follow the on-screen instructions to complete the installation. (The "**Windows Media Player Codecs Setup**" dialogue box will not appear if codecs has been installed in your computer previously.)

Fig 2

If no title appears on the screen when placing the CD to CD-ROM:

1. Double click the "**My computer**" icon.
2. Double-click the CD-ROM drive icon (**PocketCam_5000 (E:)***). The name of CD-ROM drive changes depending on how your computer is set up.
3. Browse to the "**Driver**" folder and start the **Setup.exe** program manually.

6 After the codec installation is completed, the program will prompt you to install **Direct X 8.1**, please click "**Yes**" to continue. (The "**DirectX 8.1 Setup**" dialogue box will not appear if **Direct X 8.1** has been installed in your computer previously.)

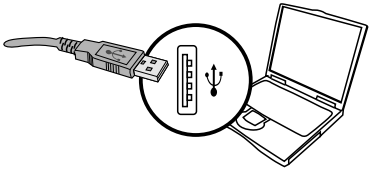
Fig 3

7 The driver will be available after restarting your computer.

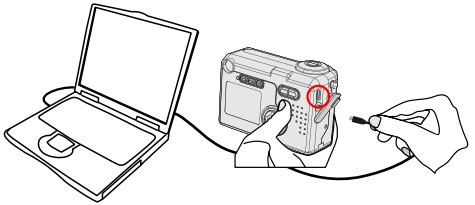
2. Connecting your camera to your computer

1 Turn on your computer.

2 Insert the USB cable to the USB port on your computer.



3 Insert the other end of the USB cable to the USB port on your camera.



3. Copying pictures and movies to your computer

1 For Windows XP users

After connecting your camera with the computer, a window will automatically appear (as Fig 4). Select the "**Open folder to view files using Windows Explorer**" item and then click "**OK**".

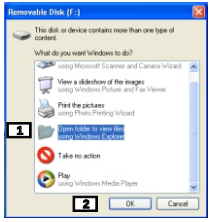
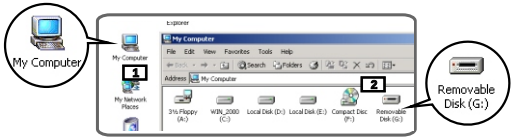


Fig 4

For Windows 2000/ME/98SE users

Double-click "**My computer**", then double-click the new "**Removable Disk**" icon.



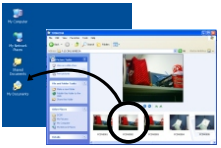
Some users may find two removable disks appear under "**My Computer**", that is because the OS detects two storage media in the camera (the internal memory and the SD/MMC card). If you can not find your files in one of the disks, please try to find them in the other disk.

2 Double-click the "**DCIM**" file folder.

3 Double-click the "**100MEDIA**" file folder.

4 Drag the picture to the "**My Documents**" file folder to copy your picture or movie to the computer.

For Windows XP users



For Windows 2000/ME/98SE users

The storage position of the files

You can find the files of your pictures and movies as Fig 5.

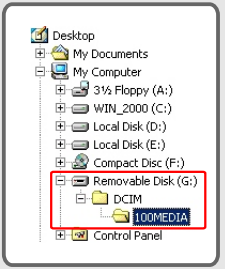


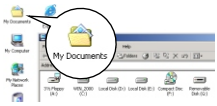
Fig 5

4. Viewing on your computer

1 Double-click "**My Documents**".

For Windows XP users

For Windows 2000/ME/98SE users



2 Select the desired file and double-click it to view.

Notice on disconnecting the camera from the computer for Windows 2000/ME users

To disconnect your camera from the computer, please follow these steps.

1. Double-click on the task bar.
2. Click (USB Disk), then click "**Stop**".
3. Select the camera (**PocketCam 5000**) on the confirmation screen and click "**OK**".
4. Follow the on-screen instruction to disconnect your camera from your computer correctly and safely.

Troubleshooting

Question	Answer
When using the camera	
The camera has no power.	The batteries may be out of power, please change the batteries.
Cannot power on my camera even though batteries are installed.	❶ Make sure that the batteries are installed correctly. ❷ If it is idle over 3 minutes, the camera will shut down automatically, please switch the camera on. (p. 8)
Cannot take pictures and movies when pressing the Shutter button**.**	❶ The storage is full. Please free some space of the SD/MMC card or flash memory. ❷ Check if the camera is under the status of charging batteries. ❸ Check if the SD/MMC card is set to "protected". ❹ If the "**MEMORY ERROR**" or "**CARD ERROR**" message shows on the LCD display, please set the camera to the Setting mode and format the storage media.
I did not delete the picture and movie, but cannot find the data in the SD/MMC card.	Check if your files are stored in the camera's built-in memory. The camera will use the card as the main storage media, and files previously stored in the internal memory will become inaccessible until the cared is removed. Please remove the card to find the data in the internal memory.
Cannot set the strobe on.	Charging the flash strobe requires more power of batteries. When the battery is under the status of low power, the strobe cannot be set to on. Please change the batteries.

The image is too blurred.	❶ Use the auto focus correctly when taking picture. (p. 11) ❷ Keep the camera steady while pressing the **Shutter button**.
The image is too dark.	You may need to take pictures or movies in the place with adequate light, use the flash strobe or adjust the EV compensation.
Noise occurs on my camera when viewing the image on the LCD display or on the computer.	Set the filter matching the place you are staying. Please refer to the "More on flicker" section on page 47.
☞ **When connecting the camera to your computer**	
The driver installation failed.	❶ Please remove the driver and other related programs. Follow the installation steps in this manual to reinstall. ❷ Install the driver before inserting the USB cable.
A conflict with other installed camera or capture device.	If you have any other camera or capture device, completely remove the camera and its driver from the computer to avoid a driver conflict.
The movie cannot be played on my computer.	Please install **Windows Media Player Codecs** and **DirectX 8.1** or above to solve this problem. (See the "Installing DSC 5000 Driver" section on page 37 or go to http://microsoft.com to download the required files.)

Other Information

1. Battery life

1 Available shots and time when using batteries

Continuous shooting	Number of still picture			
	2976x2232	2304x1728	2048x1536	1600x1200
LCD on	900	1150	1400	1600

*Data above is with pictures taken every four seconds.

Recording video clips	Recording time
	320x240
LCD on	120 mins

*Data of the two tables above is for using alkaline batteries fully charged and in 25°C without limiting for memory size.

Notes: 1. The data above is for reference only.
2. Life of battery will be shortened in the following conditions.
(1) Taking snapshot and recording at low temperature.
(2) Switching on/off power repeatedly.
(3) Using the flash strobe frequently.

2 Battery indicator

Icons	Meanings
	Full battery life.
	Adequate battery life.
	Low battery life.
	Empty battery life.

*Please replace the batteries immediately when the icon indicates that battery life is empty.

2. Storage capacity

Memory	Still picture				Movie
	2976x2232	2304x1728	2048x1536	1600x1200	Maximum
Flash memory (14MB)	10	16	21	34	4.5 mins
SD/MMC card (32MB)	23	42	50	82	10 mins
SD/MMC card (64MB)	47	84	100	164	20 mins
SD/MMC card (128MB)	94	157	199	327	40 mins
SD/MMC card (256MB)	187	315	398	654	79 mins
SD/MMC card (512MB)	377	628	797	1308	159 mins

Notes: 1. Actual number of pictures stored may vary (up to ± 30%) depending on the resolution and color saturation.
2. The table above is for reference only.

3. More on flicker

The default flicker setting of your camera depends on your country. When using the camera abroad, please refer to the table below to match the flicker setting with the place you go.

Country	England	Germany	France	Italy	Spain	Netherlands
Setting	50Hz	50Hz	60Hz	50Hz	50Hz	50Hz
Country	Portugal	America	Taiwan	China	Japan	Korea
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz

4. Specifications

Hardware resolution	2976x2232 (6 Mega pixels)
Sensor effective resolution	2304x1728 (4.1 Mega pixels)
Internal memory	Built-in 32 MB SDRAM (buffer) 16 MB flash memory (14 MB for storage)
External memory	Built-in SD/MMC slot (maximum: 512 MB)
Digital still camera	JPEG (.JPG) format. 2976x2232 (6 Mega pixels); 2304x1728 (4.1 Mega pixels); 2048x1536 (3.1 Mega pixels);1600x1200 (2 Mega pixels)
Digital video camcorder	MPEG4 (.ASF) format. QVGA (320x240 pixels) / up to 15 fps
LCD display	1.5" Color TFT LCD (LTPS)-110K pixels
Zoom	3x (optical); 4x (digital)
Exposure	Auto/ Back light/ Average/ Night shot/ Macro
White balance	Auto/ Sunny/ Cloudy/ Fluorescent/ Tungsten
Lens	F=2.8/ 8
Self Timer	10 seconds
Interface	USB 1.1 (USB 2.0 compatible)
Power saving	Auto power-off if idle for over 3 minutes
Built-in flash strobe	Yes
Built-in microphone	Yes
Built-in Speaker	Yes
TV-out	Support PAL/ NTSC system
Battery	AAx4 (Alkaline or rechargeable Ni-MH batteries recommended)
Dimension	96x64x36 mm